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NOTICE OF ALLOWANCE AND FEE(S) DUE

21171

7590

07/08/2008

STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005 EXAMINER

YEH, EUENG NAN

ART UNIT PAPER NUMBER

2624

DATE MAILED: 07/08/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,312	10/15/2004	Tomoya Tanabe	1391.1064	6656

TITLE OF INVENTION: IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	10/08/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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STAAS & HAR SUITE 700 1201 NEW YOR	LSEY LLP RK AVENUE, N.W			I here State addre trans	eby certify that this s Postal Service wi essed to the Mail mitted to the USPT	Fee(s th suff Stop O (57)	s) Transmittal is being ficient postage for first ISSUE FEE address a 1) 273-2885, on the da	deposited with the United class mail in an envelope bove, or being facsimile te indicated below.
WASHINGTON	I, DC 20005							(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTOI	RNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO	\$1440	\$300		\$0		\$1740	10/08/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS					
YEH, EUE	ENG NAN	2624	382-232000					
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter (2) the name of a sregistered attorney 2 registered patent	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		data will appear on the Tasubstitute for filing (B) RESIDENCE: (C)	he pa g an a	tent. If an assigned ssignment. and STATE OR CO	OUNT	RY)	cument has been filed for
lease check the appropr	nate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🖵 Cor	porati	on or other private grou	p entity Government
a. The following fee(s): Issue Fee Publication Fee (N Advance Order - 4	are submitted: No small entity discount p	permitted)	A check is enclos Payment by credi The Director is he	ed. t card creby	l. Form PTO-2038	is atta	required fee(s), any defi	
	tus (from status indicated is SMALL ENTITY statu	,	☐ b. Applicant is no	long	er claiming SMALl	L ENT	TITY status. See 37 CF.	R 1.27(g)(2).
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n application. Confiden ubmitting the completed his form and/or suggesti	tiality is governed by 35 d application form to the ions for reducing this but Virginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the	1.14. This collection i depending upon the i e Chief Information O	s esti Indivi Ifficer	mated to take 12 m dual case. Any con . U.S. Patent and T	inutes nment radem	to complete, including s on the amount of tim nark Office, U.S. Depar	by the USPTO to process) gathering, preparing, and e you require to complete tment of Commerce, P.O. or Patents, P.O. Box 1450,

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10/511,312	10/15/2004	Tomoya Tanabe	1391.1064	6656	
21171 75	90 07/08/2008		EXAM	INER	
STAAS & HALSEY LLP			YEH, EUENG NAN		
SUITE 700		ART UNIT	PAPER NUMBER		
1201 NEW YORK WASHINGTON, I		2624			
WASHINGTON, DC 20003			DATE MAILED: 07/08/2008		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 639 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 639 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Notice of Allowability Application No. Application No. Application No. 10/511.312			
Notice of Allowability Examiner EUENS-NAN YEH 2624 The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOTA GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 2		Application No.	Applicant(s)
EUENG-NAN YEH 2624		10/511,312	TANABE ET AL.
The MAILING DATE of this communication appears on the cover sheet with the correspondence address-Alalaims being allowable, PROSECUTION ON THE MERTIS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-89) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RICHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1-318 and MPEP 1308. 1. ☑ This communication is responsive to amendment received on April 14, 2008. 2. ☑ The allowed claim(s) is/are 1-4.6 and 7. 3. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☑ All b) ☐ Some* o ☐ None of the: 1. ☑ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). **Certified copies not received: **Certified copies not received: **Paplicanth has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. *Failure to timely comply will result in ABANDONIMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE CATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. ☑ CORRECTED DRAWINGS (as 'replacement sheets') must be submitted. (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2) ☐ to Paper No.Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No.Mail Date (c) ☐ including changes required by the attac	Notice of Allowability	Examiner	Art Unit
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a botice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 133 and MPEP 133. and MPEP 133 and MPEP 133. and MPEP 133 and MPEP 133 and MPEP 133. and MPEP 133 and MPEP 133. and MPEP 133 and MPEP 134. 2008. 2. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* o) None of the: 1. Certified opies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). *Certified copies not received:		EUENG-NAN YEH	2624
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3.	1. X This communication is responsive to <u>amendment received</u>	on April 14, 2008.	
a) All b) some* c) None of the: 1. \[\] Certified copies of the priority documents have been received. 2. \[\] Certified copies of the priority documents have been received in Application No 3. \[\] Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. \[\] A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. \[\] CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) \[\] including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) \[\] hereto or 2) \[\] to Paper No./Mail Date (b) \[\] including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date (b) \[\] including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date (c) \[\] identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. \[\] DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's Comment regarding Requirement for Deposit of BIOLOGICAL MATERIAL and the Statement of Reasons for Allowance of Biological Material 9. \[\] Other //Eueng-nan Yeh/	2. ☑ The allowed claim(s) is/are <u>1-4,6 and 7</u> .		
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit of Biological Material Dother Very Dro-413, Paper No./Mail Date Examiner's Amendment/Comment Examiner's Statement of Reasons for Allowance Other Very Dro-413, Paper No./Mail Date Date Examiner's Amendment/Comment Other Very Dro-413, Paper No./Mail Date Other Very Dro-413, Paper No./Mail Date	a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submanded in the Including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☒ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the Including Changes in the Inclu	e been received. been received in Application No cuments have been received in this of this communication to file a reply IENT of this application. itted. Note the attached EXAMINER as reason(s) why the oath or declara be be submitted. son's Patent Drawing Review (PTO- c. s Amendment / Comment or in the Co c. 84(c)) should be written on the drawing the header according to 37 CFR 1.121(c) sit of BIOLOGICAL MATERIAL r	national stage application from the complying with the requirements 'S AMENDMENT or NOTICE OF tion is deficient. 948) attached Office action of the back) of d). must be submitted. Note the
	 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	 6. ☐ Interview Summary Paper No./Mail Dat 7. ☑ Examiner's Amendr 8. ☑ Examiner's Stateme 9. ☐ Other /Eueng-nan Yeh/ 	(PTO-413), te nent/Comment

Application/Control Number: 10/511,312 Page 2

Art Unit: 2624

Amendment/Allowance

Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Luminita A. Todor (registration number 57,639) on July 2, 2008.

The application has been amended as follows:

In drawing:

Three strings in figure 6 have been changed from "REAR#6" to "FRONT#6".

Allowable Subject Matter

- 2. Claims 1-4 and 6-7 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

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Art Unit: 2624

The present application provides a new image compressing system by switching the plurality of image data in a designated order every time a predetermined number of blocks are read-out (specification, paragraph 51, line 3).

Particularly, the prior art taken either singly or in combination does not teach the new compression system which comprises the following features in combination with other recited limitations:

- Writing the first and second image data into the single image according to the predetermined order corresponding to the predetermined distance includes writing the first image data read prior to reading the second image data for a number of blocks rows according to the predetermined distance, by the first image input unit, and then, writing alternately block rows of the first and second image data into the single image, by the first and second image input unit, and then writing block rows of the second image data, for the number of blocks rows corresponding to the predetermined distance, into the single image, by the second image input unit. (independent claims 1, 6, and 7).
- 4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eueng-nan Yeh whose telephone number is 571-270-1586. The examiner can normally be reached on Monday-Friday 8AM-4:30PM EDT.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vikkram Bali can be reached on 571-272-7415. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Eueng-nan Yeh Assistant Patent Examiner 2624 /E.Y./

/Vikkram Bali/

Supervisory Patent Examiner, Art Unit 2624